

**Abstract**

A system and method are disclosed for controlling an integrated rotary-linear actuator system that may be coupled to a network via a network interface. The integrated rotary-linear actuator system includes a control system and a rotary-linear actuator having a moveable plunger and associated coils. The coils may be energized to interact with associated magnets to effect corresponding movement of the plunger, which may include rotation and/or linear movement. The network interface facilitates receipt of control information at the control system of the integrated rotary-linear actuator system from the network. The control system may control an amplifier to energize the coils based on the control information.

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